

FAYVUSHEVICH, Vladimir Mikhaylovich; KOVAL', Nikolay Andreyevich;
VERETE, Arnoł'd Grigor'yevich; LALAYEV, Georgiy Georgiyevich;
KARANUSHKO, F.D., retsenzent; SHADRIN, Ye.V., retsenzent;
LUBOCHKIN, B.I., red.; SANDLER, N.V., red.izd-va; KOTLYAKOVA,
O.I., tekhn.red.

[Boiler operator's manual] Uchebnyk kotel'nogo mashinista. Le-
ningrad, izd-vo "Morskoi transport," 1962. 505 p.

(MIRA 15:11)
(Boilers, Marine--Handbooks, manuals, etc.)

LAZAREV, N.V., inzh.; KOVAL', N.G., inzh.

Mechanized manufacturing of reinforced concrete pipes. Avt.
dor. 27 no.4:13-14 Ap '64. (MIRA 17:9)

KONAL', N.G., inzh.; KUZHEL', S.I., inzh.

The SM-210K mill. Stroi. i dor. mash. 10 no.10:27-29 0 '65.
(MIRA 18:10)

KOVAL', N.I., assistant

Regimens of active movements and methodology for exercise therapy following appendectomies, herniotomies and surgery of the stomach. Trudy Khar. med. inst. no. 359-368 '62.

(MIRA 19:1)

1. Kafedra gospi'tal'noy khirurgii lechebnogo fakul'teta i kafedra fizicheskogo vospitaniya, lechebnoy fizkul'tury i vrachebnogo kontrolya (nauchnyye rukovoditeli - prof. T.I. Tikhonova i dotsent A.G. Essi-Ezing; konsul'tant - prof. A.Z. Tseytlin) Kharkovskogo meditsinskogo instituta.

BYCHKOVA, O.I., dotsent; KOVAL', N.I., assistant

Successive conditions in children formerly ill with lambliasis
(vesicular and intestinal forms). Ped., akush. i gin. 23 no.3:
25-27 '61. (MIRA 15:4)

1. Kafedra propedevtiki detskikh bolezney Stalinskogo meditsinskogo
instituta (nauchnyy rukovoditel' - prof. M.B.Golomb [Holomb, M.B.]).
Detskaya klinicheskaya bol'nitsa (glavnyy vrach - N.P.Yukhno).
(GIARDIASIS)

USSR/Cultivated Plants - Fruits. Berries.

M

Abs Jour : Ref Zhur Biol., No 18, 1958, 82553

Author : Koval', N.M., Komarova, Ye.S., Nikolenko, V.G.

Inst :

Title : Characteristics of Agricultural Technique for Rkatsiteli Variety.

Orig Pub : Sadovodstvo vinogradarstvo i vinodeliye Moldavii, 1957, No 4, 35-38

Abstract : Cultivation of Rkatsiteli variety in Ukraine is possible only in regions more assured of warmth. Instability of fruit bearing in Rkatsiteli in Ukraine is connected first of all with its heightened sensitivity to the soil moisture and also with the comparatively slight resistance of its principal buds to the low winter temperatures and a considerable loss of them in individual years. As a rule, infertile and low-yield shoots develop from the replacement and dormant buds. Therefore, Rkatsiteli

Card 1/2

- 157 -

KOVAL', N.M., nauchnyy sotr., kand. sel'khoz. nauk; GERMAN, Ya.B., starshiy nauchnyy sotr.; BIRYUKOV, Yu.V., starshiy nauchnyy sotr.; MART'YANOVA, O.A., starshiy nauchnyy sotr.; SHASHKOV, I.G., nauchnyy rabotnik; KORSHAK, I.T.; BROZHEYT, M.F.; KUKHARCHUK, G.N.; YEFREMOV, N.V., red.; CHEREVATSKIY, S.A., tekhn. red.

[Technological charts for grape cultivation] Tekhnologicheskie karty po vozdeleyvaniyu vinograda. Kiev, Gos.izd-vo sel'khoz. lit-ry USSR, 1961. 141 p. (MIRA 15:3)

1. Ukrainskiy nauchno-issledovatel'skiy institut vinogradarstva i vinodeliya im. Tairova (for Koval', German, Biryukov, Mart'yanova). 2. Zakarpatskaya opytnaya stantsiya (for Shashkov). 3. Ministerstvo sel'skogo khozyaystva USSR (for Korshak, Brozhey, Kucharchuk).
- (Ukraine--Viticulture)

KOVAL', Nikolay Mefodiyevich; KOMAROVA, Yelena Stepanovna;
MART'YANOVA, Ol'ga Arkadiyevna; TSESHKOVSKIY, F.N.,
red.; KALASHNIKOVA, O.G., tekhn. red.

[Reference book for the viticulturist] Nastol'naya kniga
vinogradarstva. Kiev, Gossel'khozizdat USSR, 1963. 292 p.
(MIRA 16:7)

1. Nauchnyye sotrudniki Ukrainского nauchno-issledovatel'-
skogo instituta vinogradarstva i vinodeliya im. V.Ye.Tairova
(for Koval', Komarova, Mart'yanova).
(Ukraine--Viticulure)

KOVAL', N. N.

KOVAL', N. N. -- "The Role of Side Shoots in Increasing the Yield of Various Types of Grapes in the Southern Ukrainian SSR." Min Higher Education Ukrainian SSR. Odessa Agricultural Inst. Odessa, 1955. (Dissertation for the Degree of Candidate in Agricultural Sciences).

So.: Knizhnaya Letopis', No. 2, 1956.

NOVAL ~~2~~, Nikolay Stephanovich

N/5
783.301
-48

SISTEMO POKAZATELEY I OSNOVNYYE RAZDELY NARODNOKHOZYAYSTVENNOGO
PLANA SSSR (INDEX SYSTEMS AND PRINCIPAL DIVISIONS OF THE NATIONAL ECONOMY
DIVISIONS OF THE NATIONAL ECONOMY OF THE USSR) MASHVA, GOSPOLITIZDAT, 1956
94 p. BIBLIOGRAPHICAL FOOTNOTES.

Fontel, Nikolay Stepanovich

KOVAL', Nikolay Stepanovich, kand.ekon.nauk, dots.; KRYLOV, P.N., dots.,
kand.ekon.nauk, otvetstvennyy red.; KUBOVSKAYA, S.N., red.

[State planning for agricultural production in the Soviet Union;
educational manual for correspondence students of the All-Union
Correspondence Institute of Economics] Gosudarstvennoe planirovanie
sel'skokhoziaistvennogo proizvodstva v SSSR; uchebnoe posobie dlia
studentov-zaochnikov VZNI. Moskva, Vses. zaochnyi ekon. in-t,
1957. 70 p. (MIRA 11:3)
(Agricultural policy)

Koval', N. S.

AUTHOR

Koval', N.S.

103-10-10/10

TITLE

Seminar of Engineering Utilization of Mathematical Logic.
(1955-1957)
(Seminar po tekhnicheskim prilozheniyam matematicheskoy
logiki. 1955-1957 gg.)

PERIODICAL

Avtomatika i Telemekhanika, 1957, Vol. 18, Nr 10,
pp. 950-952 (USSR)

ABSTRACT

Due to Prof. S.A. Yanovskaya's initiative a permanent seminar on engineering utilization of mathematical logic was introduced at the Moscow State University. The chairman of this seminar is V.I. Shestakov, lecturer of the Faculty of Physics. From 1955-57 mainly problems concerning the analysis and the synthesis of the design of relay schemes with and without contacts were discussed. 45 meetings with 37 lectures took place: G.N. Povarov "Systematology of the Bul-functions", and Method for the Synthesis of Contact Schemes with one input and k-outputs"; Y.N. Roginskiy "Graphic Method for the Synthesis of Contact Multipoles"; Gr.K. Moisil (Roumania) reported on the investigations of Roumanian scientists in the field of the theory of the relay scheme. A.N. Yurasov and T.L. Maystrova delivered lectures on "The Methods

CARD 1/2

STREL'CHENKO, T.I.; KOVAL', N.V. [Koval', I.V.]

Deviations in the structure of barley flowers. Ukr. bot.
zhur. 20 no. 5:93-95 '63. (MIRA 17:5)

1. Chernovitskaya gosudarstvennagya sel'skokhozyaystvennaya
opytnaya stantsiya.

SPIVAK, M.S., glavnyy redaktor; BELOZUB, V.G., redaktor; VASILENKO, P.M., redaktor; ZORIN, I.G., redaktor; IL'CHENKO, I.K., redaktor; KOVAL', O.G., redaktor; KRILOV, O.F., redaktor; PUKHAL'S'KIY, A.V., redaktor; SIDORENKO, O.P., redaktor; FEDCHENKO, O.N., redaktor; ANGELINA, P.M., redaktor; HUZANOV, I.P., redaktor; BOYKO, D.V., redaktor; BURKAT'S'KA, G.E., redaktor; VASILENKO, A.O., redaktor; VLIASYUK, P.A., redaktor; GORODNIY, M.G., redaktor; DEMIDENKO, T.T., redaktor; DUBKOVETS'KIY, F.I., redaktor; KIRICHENKO, F.G., redaktor; LITOVCHENKO, G.P., redaktor; OZERNIY, M.O., redaktor; PERSHIN, P.M., redaktor; POPOV, F.A., redaktor; POSMITNIY, M.O., redaktor; PSHENICHNIY, P.D., redaktor; RADCHENKO, E.P., redaktor; POMANENKO, S.S., redaktor; RUBIN, S.S., redaktor; SAVCHENKO, M.Kh., redaktor; SOKOLOVS'KIY, O.N., redaktor; TSIBENKO, K.O., redaktor; SHCHERBINA, O.P., redaktor; KRAVCHENKO, M.F., tekhnichnyy redaktor

[Collective farm encyclopedia] Kolhospna vyrobnycha ensyklopediia. Vyd. 2-e, perer. i dop. Kyiv, Derzh.vyd-vo sil's'kohospodars'koi lit-ry URSR. Vol.1. Abrykos - Liutserna. 1956. 756 p. (MIRA 9:9)
(Agriculture--Encyclopedias and dictionaries)

KOVAL', P.; PYATKOVSKIY, A.

Prestressed wall slabs. Prom.stroi. 1 inzh. soor. 4 no.4:
11-13 Jl-Ag '62. (MIRA 15:9)

1. Upravlyayushchiy trestom "Kommunarskstroy" (for Koval').
2. Glavnyy tekhnolog tresta "Kommunarskstroy" (for Pyatkovskiy).
(Prestressed concrete construction) (Concrete walls)

KOVAL, Pal

Miskolc, the second city of Hungary, Borsod szemle 5 no.5:
499-505 '61.

KOVAL, P. D.

Biological changes of the seeds of lignous species subjected to the process of stratification. Z. S. Gribchenovich, P. D. Koval, and I. Gorikova. Uchenye Zapiski Kazanskogo Universiteta, Seriya Biologicheskie Nauki, 1954, No. 57, No. 3, 170-84; Regional. Zhiv., Khim., 1954, No. 37800. -- Stratification of seeds of a series of lignous species reveals that seeds contain increased amounts of moisture and also N and decreased amounts of fat and starch as compared with the control seeds. In the readily germinating seeds (oak, maple) these changes occur much faster than in the seeds germinating relatively less readily (ash). R. Wierbicki...

(2)

KOVAL', P.I.; REVA, V.Z.; DZMIT, K.I.; PYATKOVSKIY, A.G.; LICEAK, G.K.

Rapid construction of a blast furnace at the Voroshilov Plant.
From. stroi. 39 no.9:34-38 '6r. (MIRA 14:10)

1. Trest Voroshilovskstroy.
(Voroshilovsk--Blast furnaces)

Source:

KOVAL, D. E. - On SWATH

(1948). USSR Univ. 135, Matematika.
(Russian). USSR Univ. 135, Matematika.
Tom II, 1948.

The Gift (Russian)

MR. J. E. LINDBERG, Chairman.

Let f be a single-valued bounded pointwise integral, and defined as follows:

bounded point-finite covers of Π by a system of partitions \mathcal{P} of X into intervals, non-overlapping (except for end points) and

...the same set of any one of the ... The ...

to contain partition α of \mathcal{A} . The average number of partitions of \mathcal{A} that contain the intersection-partition of every pair of partitions in \mathcal{A} is $1 + \frac{1}{2}n$, by an induction on n .

be an interval I such that every pair of real numbers x and y satisfying $|x - y| \in I$ are also at a distance $\leq \delta$ from some rational number.

1. $\frac{1}{2}$ of the total number of votes cast for the candidate.

negative and $S = f(x, z, y)$ if $T = f$. Then the

As a registered voter in the nation's capital, I am proud to support the National Endowment for the Arts and the National Endowment for the Humanities. I am pleased to see that the President has signed the bill to reauthorize the NEA and NEH. I am confident that the President's actions will ensure that the NEA and NEH continue to support the arts and humanities in the United States.

[illegible][illegible]

sequence P, P, \dots of partitions of n is called a *resolvent sequence* for A if, when A is resolved in the order P, P, \dots , each point x of A such that

Let α be an ϵ_0 such that for $\epsilon > \alpha$ and $P \in \mathcal{P}_n$ there are intervals I' of P , for which

Since the statement ϕ is true as there are intervals of A in which ϕ is true, the statement ϕ is in A .

that $\lim_{n \rightarrow \infty} \frac{1}{n} \sum_{k=1}^n f(k) = \int_0^1 f(x) dx$ is a resolvent of \mathcal{A} is true. The following theorem is true. The following theorem is true.

that $\lim_{t \rightarrow \infty} \sum_{k=1}^n \int_{t_k}^{t_{k+1}} f(t) dt = L$, where f is an arbitrary function.

gives a formal instance of the integral (D) calls the Stieltjes-Grivenko integral (D) Stieltjes integral.

order of the paper is devoted to an actual instance of the Stieltjes integral. The classical Stieltjes integral is shown to be an actual instance of the Lebesgue-Stieltjes integral. The integral (D) is given.

at sequences for improper integrals, non-existence variation, and improper integrals and variation.

H. L. Smith (Baton Rouge, Louisiana)

Smith (Horton D. Smith Co.)
Savage, La.)

100

2000

Koral, J. J. Conditions of convergence for improper
 integrals. *Math. Ann.* 15, No. 1, 1-11 (1946).
 The author proves that the convergence of the improper
 integral $\int_a^\infty f(x) dx$ is equivalent to the convergence of the
 series $\sum_{n=1}^\infty f(n)$ if $f(x)$ is a function of bounded variation
 whose left-hand limit $f(x-0)$ is the same as the left
 and the right-hand limit $f(x+0)$ at each point of the
 interval $[a, \infty)$. The author also considers the case of
 the convergence of $\int_a^\infty f(x) dx$ for $f(x) = O(1/x^p)$ as
 $x \rightarrow \infty$.

220

8/12/46
 BH

KOVAL', P.I.

Simplifying the numerical solution of Dirichlet's problem for
Laplace's equation. *Nauk. zap. Kiev. un.* 7 no. 4:189-195 '48.

(Harmonic Functions)

(MLRA 10:5)

K. V. L. P.	K. V. L. P.	On the abstract of the	On the abstract of the paper reviewed above J. L. Smith (Baton Rouge, La.)	On the abstract of the paper reviewed above J. L. Smith (Baton Rouge, La.)	On the abstract of the paper reviewed above J. L. Smith (Baton Rouge, La.)
Source: Mathematical Review	1950	Vol. 11	No. 1	No. 1	No. 1

Smith

KOVAL', P.I.

One class of infinite systems of linear algebraic equations.
Nauk.sop.Kiev.un.9 no.9:135-138 '50. (MLRA 9:10)
(Linear equations)

KOVAL' P.I.
D'YACHENKO, V.Yo.; KOVAL', P.I.

Solution of the partial differential equation of the second order and
elliptic type by means of the nonuniform method of meshes. Nauk.zap.
Kiev.un. 11 no.7:5-16 '52. (MLRA 9:10)
(Differential equations, Partial) (Electromechanical analogies)

KOVAL', P.I.

Stability of solutions for difference equation systems. Dokl. AN
SSSR 103 no.4:549-551 1g'55. (MIRA 8:11)

1. Kiyevskiy gosudarstvennyy pedagogicheskiy institut imeni A.M.
A.M.Gor'kogo. Predstavleno akademikom S.L.Sobolevym
(Difference equations)

KOVAL', P.I.

Stability of solutions of simultaneous linear difference
equations [with summary in French]. Ukr.mat.shur. 9
no.2:141-154 '57.

(Difference equations)

(MIRA 10:7)

KOVAL', P. I.

AUTHOR: KOVAL', P. I.

TITLE: Reducible Systems of Difference Equations and the Stability of Their Solutions (Privodimyye sistemy raznostnykh uravneniy i ustoychivost' ikh resheniy) 42-6-6/17

PERIODICAL: Uspechi Matematicheskikh Nauk, 1957, Vol. 12, Nr. 6, pp. 143-146 (USSR)

ABSTRACT: The author considers a finite system of linear difference equations of first order

$$(1) \quad x_{s+1} = A_s x_s + a_s \quad (s=0, 1, 2, \dots),$$

where $\{x_s\}$ is the sought vector sequence, $\{A_s\}$ is the given bounded sequence of nonsingular matrices and $\{a_s\}$ is a given bounded sequence of vectors. By a linear transformation $x_s = T_s y_s$ (1) changes to

$$y_{s+1} = B_s y_s + b_s.$$

(1) is called reducible if there exists a matrix T_s being bounded together with T_s^{-1} (independent of s) such that B_s is a constant matrix. (1) is called almost-irreducible if B_s has a

Card 1/2

Reducible Systems of Difference Equations and the Stability of Their
Solutions 42-6-6/17

limit value as $s \rightarrow \infty$.

Theorem: A system (1) with periodic coefficients is reducible.

Theorem: If $A_s = R_s + Q_s$, where R_s is periodic while Q_s tends to the zero matrix as $s \rightarrow \infty$, then (1) is almost-irreducible.

Finally the author gives considerations of stability on some special examples of reducible systems.

3 Soviet and 1 foreign references are quoted.

SUBMITTED: August 9, 1956
AVAILABLE: Library of Congress

Card 2/2

KOVAL, P.I.

AUTHOR
TITLE

KOVAL, P.I.

20-5-9/60

PERIODICAL

On the Asymptotic Behavior of the Solutions of Linear
Difference Equations and Linear Differential Equations.
(Ob asimptoticheskom povedenii resheniy lineynykh raz-
nostnykh i differentsial'nykh uravneniy.- Russian)
Doklady Akademii Nauk SSSR 1957, Vol 114, Nr 5,
pp 949 -952 (USSR)

ABSTRACT

The present paper discusses the method of the reduction
of a system of linear difference equations (differential
equations) to the l-diagonal (L-diagonal) form with the
help of which a more extended class of functions can be
included than in the case of the respective previous
papers cited here. The author here investigates in detail
the application of this method to the investigations of
the asymptotic behavior of solutions of the difference
equations and the differential equations of second order.
At first the author investigates the system of the linear
difference equations $x(s+1) = A(s)x(s)$ ($s \neq s_0, s_0+1..$)
The matrix $A(s)$ of this system begins with a sufficiently
high value of s and has no multiple eigen numbers. The
author then undertakes a linear substitution on this
system. A theorem is given and then used for the investi-
gation of the asymptotic behavior of the solutions of a

CARD 1/3

20-5-9/60

On the Asymptotic Behavior of the Solutions of Linear
Difference Equations and Linear Differential Equations.

linear difference equation of second order.
The difference equation of second order

$$\Delta^2 z(s) = z(s+2) - 2z(s+1) + z(s) = a^2(s)z(s)$$

by the substitution $z = x_1$, $\Delta x = z(s+1) - z(s) = x_2$
is reduced to the system

$$x(s+1) = A(s)x(s), \quad A(s) = \begin{vmatrix} 1 & 1 \\ a^2(s) & 1 \end{vmatrix}$$

This system is not 1-diagonal. The author shows that in
many cases it may be reduced to an 1-diagonal form. +
(The conception "1-diagonal" was introduced in a previous
paper. Connected theorems and examples are given.
In conclusion the results obtained are transferred to
differential equations. The author here applies a derived
theorem for the investigations of the asymptotic behavior
of the solutions of a linear differential equation of
second order. (No Illustrations)

CARD 2/3

IVANOV, N.A., prof., YEGOROV, G.P., KOVAL', P.I., GAVRISH, I.A. (Leningrad)

Clinical aspects of oleogramulomas caused by injections of cod-liver oil. Vrach.čelo no.3:297 Mr'58 (MIRA 11:5)

1. Kafedra kozhnykh i venerisheskikh bolezney (nach. - prof. polkovnik meditsinskoy sluzhby S.Ye. Gorbovitskiy) Voenno-medit-sinskoy akademii im. Kirova.
(COD--LIVER OIL)
(TUMORS)

Kovall, R.I.

16(1) PHASE I BOOK EXPLOITATION 504/2660
 Vsesoyunnyy matematicheskiy s'yezd. 3rd, Moscow, 1956
 Predy. P. A. Kravtsov, Izdatel'stvo matematicheskoy literatury, Moscow, 1956
 Doklady i soobsheniya uchastnikov (Transactions of the 3rd All-Union Mathematical Conference in Moscow, vol. 1). Summary of Sectional Reports. 247 p. 2,200 copies printed.
 Sponsoring Agency: Akademiya nauk SSSR. Matematicheskii institut.
 Red. M. I. G. M. Shvachkin; Editorial Board: A. A. Abramov, V. G. Molchanov, A. M. Vainil'ev, S. V. Medvedev, A. D. Myzanskii, S. M. Nikol'skiy (Resp. Ed.), A. G. Postnikov, Yu. V. Prokhorov, E. I. Ryabinin, P. A. Uspenskiy, V. A. Zaslavskiy, N. G. Chistyakov, G. Ye. Shilov, and A. I. Zhuravkov.

FOREWORD: This book is intended for mathematicians and physicists. The book is Volume IV of the Transactions of the Third All-Union Mathematical Conference, held in June and July 1956. The book is divided into two main parts. The first part contains summaries of the papers presented by Soviet scientists at the Conference that were not included in the first two volumes. The second part contains the text of reports submitted to the editor by non-Soviet scientists. In those cases when the non-Soviet scientist did not submit a copy of his paper to the editor, the title of the paper is cited and a reference is made to the appropriate volume. Both Soviet and non-Soviet cover appropriate topics. The papers, surveys, differential and integral equations, function theory, problems of mechanics and physics, computational mathematics, mathematical logic and the foundations of mathematics, and the history of mathematics.

Abramov, I. Ya. (Leningrad). Application of matrix analysis to the problems of mechanizing computational processes 92
 Bel'skaya, I. F. (Moscow), L. M. Korolev (Moscow), I. S. Mukhin (Moscow), D. Yu. Panov (Moscow), and S. M. Nazarovskiy (Moscow). Automatic translation of one language into another on an electronic computer 93
 Vlasov, Z. A. (Leningrad). On the approximate solution of boundary value problems for equations of elliptic type by the method of reduction to ordinary differential equations 93
 Ditsin, V. A. (Moscow). On the theory of operational calculus for functions defined everywhere on a straight line 94
 Pl'in, V. P. (Leningrad). A posteriori evaluation of error in the Runge-Kutta method for ordinary differential equations 94
 Kovall, R. I. (Leningrad). Reducible systems of difference equations and the stability of their solutions 96

Card 18/31

16(1)

AUTHOR: Koval', P.I.

SOV/20-124-6-6/55

TITLE: Asymptotic Behavior of the Solutions of Almost Triangular Systems of Linear Difference- and Differential Equations
(Asimptoticheskoye povedeniye resheniy pochtii treugol'nykh sistem lineynykh raznostnykh i differentsial'nykh uravneniy)

PERIODICAL: Doklady Akademii nauk SSSR, 1959, Vol 124, Nr 6, pp 1203-1206 (USSR)

ABSTRACT: Besides the triangular system of difference equations

$$(1) \quad Y_{s+1} = R_s Y_s \quad (s \gg s_0),$$

where Y_s is the sought triangular matrix and R_s a given one, the author considers almost triangular systems

$$(2) \quad X_{s+1} = (R_s + C_s) X_s,$$

where C_s is not triangular, and more general systems.

Necessary and sufficient conditions in terms of R_s and C_s are given in order that the solution of (2) be asymptotically equal to that one of (1). The author proposes linear substitutions with which systems of rather general form can

Card 1/2

Asymptotic Behavior of the Solutions of Almost
Triangular Systems of Linear Difference- and Differential Equations SOV/20-124-6-6/55

be brought into an almost triangular form. The results are transferred to differential equations. Altogether there are given four longer theorems and some examples. The author refers to the book of Rappoport [Ref 1]. There are 3 references, 2 of which are Soviet, and 1 American.

ASSOCIATION: Kiyevskiy gosudarstvennyy pedagogicheskiy institut imeni A.M. Gor'kogo (Kiyev State Pedagogical Institute imeni A.M. Gor'kiy)

PRESENTED: October 8, 1958, by S.L. Sobolev, Academician

SUBMITTED: October 8, 1958

Card 2/2

37599

S/044/62/000/004/036/099
C111/C333

103900
AUTHOR:

Koval', P. I.

TITLE:

On the asymptotic behavior of the solutions of linear systems of difference equations

PERIODICAL:

Referativnyy zhurnal, Matematika, no. 4, 1962, 43-44, abstract 4B189. ("Funktional'n. analiz i yego primeneniye". Baku, AN Azerb SSR, 1961, 131-142)

TEXT:

In the first part of the paper the author considers the triangular matrix-difference equation

$$Y_{s+1} = R_s Y_s (s \geq s_0), Y_{s_0} = E, \quad (1)$$

where $Y_s = \parallel y_{ijs} \parallel_1^n$ is the sought matrix, E the unit matrix and

$R_s = \parallel r_{ijs} \parallel_1^n$ ($r_{ijs} = 0$ for $j > i$) a given non-singular matrix. Along with equation (1) the almost triangular matrix-difference equation

$$X_{s+1} = (R_s + C_s) X_s (s \geq s_0), X_{s_0} = E \quad (2)$$

Card 1/4

On the asymptotic behavior of the ...

S/044/62/000/004/036/099
C111/C333

is considered, in which $X_s = \|x_{ijs}\|_1^n$ is the sought matrix, R_s the given matrix of equation (1) and $C_s = \|c_{ijs}\|_1^n$ a given matrix which is small in a certain sense compared with the matrix R_s . It is assumed that the diagonal elements of the matrix R_s starting with a certain value $S_0 \geq s_0$ satisfy the condition

$$\text{either } \left| \frac{r_{iis}}{r_{jjs}} \right| \leq 1, \quad \text{or} \quad \left| \frac{r_{iis}}{r_{jjs}} \right| \geq 1$$

$$(i \geq j = 1, \dots, n; s \geq S_0 \geq s_0) \quad (3)$$

Theorem 1: If in (2) the diagonal elements of R satisfy the condition (3), and if certain restrictions relative to the elements of the matrix C_s are satisfied, then for the almost triangular matrix-difference

Card 2/4

On the asymptotic behavior of the ...
equation (2) there exists a solution

S/044/62/000/004/036/099
C111/C333

$$X_s = Y_s - H_s F_s \quad (s \geq s_0), \quad H_{s_0} = 0 \quad (4)$$

(F_s is the non-singular diagonal matrix consisting of the diagonal elements of Y_s), which is asymptotically equal to one of the solutions of the corresponding equation (1). In this solution (4) the matrix H_s tends to zero for $s \rightarrow \infty$, where for H_s there holds a representation as an absolutely and uniformly convergent series.

In the second part of the paper the author considers the matrix-difference equation

$$Z_{s+1} = (A_s + P_s) Z_s \quad (s \geq s_0) \quad (5)$$

where $Z_s = \|z_{ijs}\|_1^n$ is the sought matrix, while A_s and P_s are matrices

Card 3/4

On the asymptotic behavior of the ...
of the same order.

S/044/62/000/004/036/099
C111/C333

Theorem 2: If the matrices A_s and P_s satisfy certain conditions in (5), then (5) can be brought with the aid of a linear transformation $Z_s = B_s X_s$, to the almost triangular form and then the solution is

$$Z_s = B_s [Y_s + H_s F_s] = B_s [Y_s + O(1) F_s] \sim B_s Y_s, \quad (6)$$

where Y_s is the solution of the equation $Y_{s+1} = J_s Y_s$ ($s > s_0$). $Y_{s_0} = E$, B_s the fundamental matrix for the matrix A_s , and J_s the lower Jordan form of the matrix A_s ; F_s is the diagonal matrix consisting of the diagonal elements of the matrix Y_s . It is $H_s \rightarrow 0$ for $s \rightarrow \infty$. Bibliography with 3 titles.

[Abstracter's note: Complete translation.]

Card 4/4

KOVAL', P.I.; PYATKOVSKIY, I.G.

Precast reinforced concrete in the construction of a ferroalloy
plant. From. stroi. 42 no.10:8-11 0 '64. (MIRA 17:11)

1. Trest Kommunarstroy.

ALIKAYEV, V.A.; TARANENKO, I.L., veterinarnyy vrach; NIKOLAYEV, P.Ya., veterinarnyy vrach; MIKHAYLETS, R.M., veterinarnyy vrach; ARTEMENKO, I.A., veterinarnyy fel'dsher; MOSKALENKO, A.N., veterinarnyy fel'dsher; AL'BERTYAN, M.P., veterinarnyy vrach; SKARBOVENKO, V.I., veterinarnyy vrach; MOROZOV, A.I., veterinarnyy fel'dsher; VESHCHIVAYLOV, V.T., veterinarnyy vrach; LUZHENKO, I.U., veterinarnyy fel'dsher; RUDOMETKIN, Ya.L., veterinarnyy vrach; PARSHUTKIN, I.M., veterinarnyy vrach; GOLOVANOV, A.I., veterinarnyy vrach; SHIPILOVA, N.M., veterinarnyy vrach; SPIROV, V.D., veterinarnyy vrach; BONDARENKO, V.N., veterinarnyy vrach; KOVAL', P.K., veterinarnyy fel'dsher; ZHAMSUYEV, B.TS., veterinarnyy vrach; APALEV, Ye.M., veterinarnyy vrach; KOLOTIY, N.A., veterinarnyy vrach.

Diseases of the young animal, their prevention and treatment; based on data received by the editors. Veterinariia 39 no.1:49-54 Ja '62. (MIRA 15:2)

1. Besedinskaya rayonnaya veterinarnaya lechebnitsa, Kurskoy oblasti (for Taranenko). 2. Bo'she-Sosnovskaya rayonnaya lechebnitsa, Permskoy oblasti (for Nikolayev). 3. Aleksandrovskiy veterinarnyy uchastok, Voznesenskogo rayona, Nikolayevskoy oblasti, Ukrainskoy SSR (for Mikhaylets, Artemenko, Moskalenko). 4. Kolkhoz "40 let Oktyabrya", Tarliyskogo rayona, Moldavskoy SSR (for Al'bertyan).

(Continued on next card)

GENEL', S. V.; KOVAL', P. M.; NIKITINA, T. A.

Looms

Pasting a fibrous cover on shuttle; Tekst. prom. no. 5, 1952

Monthly List of Russian Accessions, Library of Congress, August, 1952. UNCLASSIFIED

1. 411/0-66 EWT(1)/EWT(n)/FFD/EEG(k)-2/EWP(k)/T/EWP(e) IJP(c) WG/WH
ACC NR: AP6025955 SOURCE CODE: UR/0051/66/021/001/0076/0031

AUTHOR: Lisitsa, M. P.; Kulish, N. R.; Yaremko, A. M.; Koval', P. M.; Gayets, V. I.
ORG: none

TITLE: Study of the emission characteristics of a ruby laser

SOURCE: Optika i spektroskopiya, v. 21, no. 1, 1966, 76-81

TOPIC TAGS: ruby laser, laser resonator, optic pumping, laser emission

ABSTRACT: In a theoretical and experimental study of the effect of the size of a laser resonator with plane and confocal mirrors on the emission parameters, the dependence of the threshold pumping energy, divergence angle, and output power on the length of the resonator was determined. The results of the calculations are shown in Fig. 1. Fig. 2 shows the corresponding experimental curves. The experimental part of the study was carried out on a ruby laser with external dielectric mirrors at room temperature. The length of the resonator ranged from 0.8 to 3.5 m. The variation in the energy emitted by the laser with changing angle of the interferometric mirrors was determined; the observed decrease in output energy with increasing resonator length may be due to a decrease in the working part of the active material caused by a narrowing of the coherent beam, and, like the other laser parameters studied, is determined by the multimode character of the resonator. In conclusion, authors thank V. V.

Card 1/2

UDC: 621.375.9:535:553.824

L 41110-66

ACC NR: AP6025955

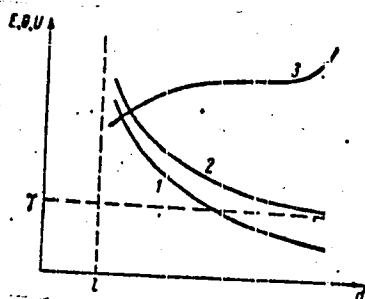


Fig. 1. Theoretical curves of the dependence of laser-emitted energy (1), divergence angle (2), and threshold pumping energy (3) on the resonator length.

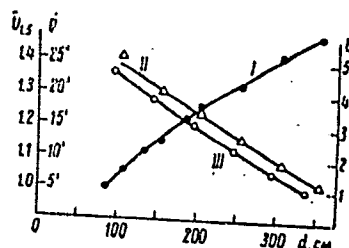


Fig. 2. Experimental curves of the dependence of threshold pumping energy (I), divergence angle (II), and laser-emitted energy (III) on the resonator length.

Andryushchenko for preparing the multilayer dielectric mirrors. Orig. art. has: 4 figures and 17 formulas. [27]

SUB CODE: 20/ SUBM DATE: 19Nov64/ ORIG REF: 004/ OTH REF: 006/ ATD PRESS:

Card 2/2

5054

L 26734-66 FBD/EWT(1)/EWP(a)/EWP(m)/EEC(k)-2/T/EWP(k)/EWA(h) IJP(c) WG/WH	
ACC NR: AP6011572	SOURCE CODE: UR/0051/66/020/003/0508/0510
AUTHOR: Lisitsa, M. P.; Kulish, V. R.; Geyets, V. I.; Koval', P. N.	
ORG: none	5/13
TITLE: Laser Q-switching with KS-19 filters	
SOURCE: Optika i spektroskopiya, v. 20, no. 3, 1966, 508-510	
TOPIC TAGS: ruby laser, giant pulse laser, laser r and d, Q switching, passive switching, optic filter/KS 19 filter	
<p>ABSTRACT: In view of the fact that Q-switching by spectrally absorbing filters with reversible bleaching is much simpler than electro-optical or rotating Q-switching devices, the authors investigated the influence of transparency of KS-19 filters on the amplitude of the peaks of the output emission and their numbers in a ruby laser (120 mm long, 12 mm diameter, Cr_2O_3 concentration 0.05 wt.%). The Q-switching was produced with the aid of five glass filters cut from a single block, having different transmissions in the region of the operating wavelength of the laser. Introduction of the filter into the laser resonator increased the lasing threshold by an average of 12% (over the nominal value 1.65 kJ). At a definite laser emission density, the filter became bleached and the energy stored by the excited chromium ion was emitted in the form of a giant pulse consisting of several spikes whose number increases with increasing pump energy and whose amplitude exhibits saturation. At maximum pump energy (double the threshold value), the amplitude of the giant peaks was ~40 times</p>	
Card 1/2	UDC: 621.375.9: 535

L 26734-65

ACC NR: AP6011572

larger than the amplitude of the ordinary lasing spikes under similar conditions. Increasing the reflection coefficient of the mirrors increased the output peaks and eliminated some of the saturation. An increase in the optical density of the filter first increases the spike amplitudes, but subsequently results in a decrease, for at large optical density the number of photons necessary to bleach the filter increases. Orig. art. has: 4 figures.

[02]

SUB CODE: 20/ SUBM DATE: 12 Jul 65/ ORIG REF: 003/ OTH REF: 012/ ATD PRESS: 4258

Card 2/26/

KOVAL', P. V.

Dissertation: "Some Questions of the Use of Electromagnetic Drive in Dynamic Angle-Cutting Planes." Cand Tech Sci, Moscow Mining Inst imeni I. V. Stalin, 20 May 54.
Vechernaya Moskva, Moscow, 11 May 54.

SO: SUM 284, 26 Nov 1954

KOVAL P.V.

KOVAL', P.V., kand.tekhn.nauk.

Experimental determination of speed and acceleration of
the striker. Nauch.trudy MGI no.15:139-149 '55. (MIRA 10:10)
(Mechanics, Analytic)
(Coal mining machinery--Testing)

ONISHCHENKO, Pavel Nikiiforovich; KOVALENKO, P.V., otvetstvennyy redaktor;
SAVIN, M.M., redaktor izdatel'stva; PROZOROVSKAYA, V.L., tekhnicheskiiy redaktor

[Mining machinery] Gornoprophodcheskie mashiny i mekhanizmy.
Moskva, Ugletekhnizdat, 1956. 222 p. (MLRA 10:2)
(Coal mining machinery)

KOVAL', P.V., kand.tekhn.nauk

Electromagnetic machine feeding. Nauch.trudy MG I no.17:265-274 '56

(MIRA 10:11)

(Magnetoelectric machines)

KOVAL' P.V.

Electromagnetic drive for impact coal plows. Nauch. trudy
MGI no. 21:187-200 '57. (MIRA 11:9)
(Coal mining machinery---Electric driving)

ZIMSKOV, V.D.; KOVAL', P.V.
~~PERSONNEL INFORMATION~~

Calculating the impact mechanism in dynamic coal plows.
Nauch. trudy MHI no.21:201-214 '57. (MIRA 11:9)
(Coal mining machinery)

KOVAL', Petr-Vasil'yevich; FILIMONOV, N.A., otv.red.; KOSTON'YAN,
A.Ya., red.izd-va; MADEINSKAYA, A.A., tekhn.red.; BEKKER,
O.G., tekhn.red.

[Mining and mine-building machines] Gornoprokhodcheskie
i stroitel'nye mashiny. Moskva, Gos.nauchno-tekhn.izd-vo
lit-ry po gornomu delu, 1960. 423 p. (MIRA 13:10)
(Mining machinery)

ONISHCHENKO, Pavel Nikiforovich; KOVAL', P.V., otv. red.; KOSTON'YAN,
A.Ya., red.; MAKSIKOVA, V.V., tekhn. red.

[Mining machinery] Gornoprokhodcheskie mashiny i mekhanizmy.
Moskva, Gosgortekhnizdat, 1961. 270 p. (MIRA 15:8)
(Mining machinery)

KLORIK'YAN, S.Kh.; KOVAL', P.V.; FILIMONOV, N.A.

Study of the performance of the parts of metal struts. Nauch.
trudy Mosk. inst. radioelek. i gor. elektromekh. no.41:102-
108 '62. (MIRA 16:10)

KOVAL', Petr Vasil'evich

[Hydraulic and pneumatic drives. Hydrodynamic transmissions]
Gidro- i pnevmoprivod. Gidrodinamicheskieperedachi; uchebnoe
posobie. Moskva, Mosk. in-t radioelektroniki i gornoj elektro-
mekhaniki, 1964. 60 p. (MIRA 18:9)

KOVAL', Petr Vasil'yevich; AL'SHITS, Ya.I., doktor tekhn. nauk,
retsensent; BOJUMET'SKIY, A.G., kand. tekhn. nauk,
retsensent; PONOMORENKO, Yu.F., kand. tekhn. nauk, otv.
red.; BELOV, V.S., red.izd-va; LAVRENT'YEVA, L.G., tekhn.
red.

[Hydraulic drive of mining machinery] Gidroprivod gornykh
mashin. Moskva, Izd-vo "Nedra," 1964. 203 p.

(MIRA 17:3)

SKOROBOGATOV, Stepan Varlamovich, inzh.; KUKOL', Vladimir
Veniaminovich, inzh.; KOVAL', P.V., dets., kand. tekhn.
nauk, retsenzent;

[Mining and construction machinery] Gernoprokhodcheskie i
stroitel'nye mashiny. Moskva, Izd-vo "Nedra," 1964. 292 p.
(MIRA 17:6)

TOPCHIIYEV, A.V.; SOLOD, V.I.; GETOPANOV, V.N.; KOVAL', P.V.

[Calculating the efficiency of mining cutter-loaders;
methods of calculation] Raschet proizvoditel'nosti gor-
nykh kombainov; metodika rascheta. Moskva, Nedra, 1965.
66 p. (MIRA 18:5)

KULIKOV, V.O.; BORNATSKIY, I.I.; ZARUBIN, N.G.; DOROFEYEV, G.A.;
KALUZHSKIY, Ye.A.; KAZAKOV, A.A.; KOVAL', R.F.; KORNEVA, N.K.;
TRET'YAKOV, Ye.V.; TRUNOV, Ye.A.; Prinimali uchastiye: ANDREYEV, V.L.;
GORDIYENKO, V.V.; GRINEVICH, I.P.; GUBAR', V.F.; DOLINENKO, V.I.;
ZHERNOVSKIY, V.S.; ZHIGALOVA, Z.I.; KOMOV, N.G.; KURAPIN, B.S.;
OLESHKEVICH, T.I.; PRIKHOZHENKO, Ye.

Mastering the operations of 650- and 900-ton (mega - gram) capacity
open-hearth furnaces at the Il'ich metallurgical plant. Stal' 25
no.8:805-807 S '65. (MIRA 18:9)

1. DONNIICHERMET i Zhdanovskiy metallurgicheskiy zavod imeni Il'icha.

HUSKA, A.M., promovany ekonom; KOVAL, S., dr.; KRAUS, E.

Enterprise internal units, their role and development in
the building industry. Inz stavby 12 no.8:353-358 Ag '64.

KOVAL', Stanislaw [Kowal, Stanislaw] (Varchava)

Editor's mail. Lit. v shkole no.5:56-63 8-0 '61.

(MIRA 14:10)

(Mathematics—Problems, **exercises**, etc.)

KOVAL', S.F.

New materials on the biography of I.D.Cherskii. Izv.Vses.geog.ob-va
92 no.4:377-379 J1-A; '60. (MIRA 13:8)
(Cherskii, Ivan Dementevich, 1845-1892)

KOVAL', S.F.

G.N.Potanin and I.D.Cherskii; new materials. Izv.Vses.geog.ob-va
93 no.3:250-253 My-Js '61. (MIRA 14:5)
(Potanin, Grigori Nikolaevich, 1835-1920)
(Cherskii, Ivan Dement'evich, 1845-1892)

L 35339-66 EWT(m)/EWP(w)/T/EWP(t)/ETI/ETW(k) IJP(c) JD

ACC NR: AP0011826

(N)

SOURCE CODE: UR/0383/66/000/002/0035/0039

AUTHOR: Faybisovich, L. I.; Varakin, N. I.; Larichkin, M. S.; Medovar, B. I.;
Latash, Yu. V.; Yemel'yanenko, Yu. G.; Maksimov, I. P.; Koval', S. I.; Akulinin, M. A.

ORG: none

TITLE: Quality of heavy forgings of 36KhN1MFAR electrosag rotor steel

SOURCE: Metallurgicheskaya i gornorudnaya promyshlennost', no. 2, 1966, 35-39

TOPIC TAGS: steel forging, steel, nonmetallic inclusion, brittleness, temper brittleness

ABSTRACT: The study deals with the effect of electrosag melting on the quality of vacuum-degassed and nondegassed open-hearth steel. Forgings of 36KhN1MFAR steel, obtained from electrosag ingots weighing 13 tons, have a compact structure and a homogeneous chemical composition. The content of sulfur, gas, and nonmetallic inclusions in them is considerably lower than in similar forgings from metal made the conventional way. The mechanical properties of the remelt metal are characterized by high stable values in the length and cross section of the forging both in longitudinal and diametrical directions. Electrosag melted 36KhN1MFAR steel does not possess a tendency to temper brittleness. Its nul ductility transition temperature is below -70C. Orig. art. has: 5 figures and 4 tables. [NT]

SUB CODE: 11/ SUBM DATE: none/ ORIG REF: 003

Cord 1/1

UDC: 669-13:658.562

KOVAL', S.I.; BUGAY, F.D.

Over-all mechanization of labor-consuming operations on a 10,000
ton capacity press. Sbor.Novo-Kram.mashinostroi.zav. no.5:15-22
'59.

(MIRA 16:12)

KOVAI', T.

The reason why they make such good progress in their work. Sov.-
shakht. 10 no.5:12 My '61. (MIRA 14:9)

1. Predsedatel' shakhtkoma shakhty no.6-6-bis tresta Kadiyevugol'.
(Donetsk Basin--Coal mines and mining)

KOVAL", T.

New frontiers of grain farming. Vop. ekon. no.4:15-22 Ap
'62. (MIRA 15:4)
(Grain)

KOVAL', T.; LUCHKO, T.

The state benefits, so does labor. Sov.profsoiuzy 16 no.10:
31-33 My '60. (MIRA 13:6)

1. Nachal'nik otdela organizatsii truda zavoda imeni Stalina
(for Koval'). 2. Predsedatel' komissii zarabotnoy platy zavkoma
profsoyuza zavoda imeni Stalina (for Luchko).
(Stalino--Steel industry) (Hours of labor)
(Wages)

ALEKSEYEV, A.; ANCHISHKIN, A.; BERRI, T.; BARABANOV, N.; BOGOMOLOV, O.;
BRAGINSKIY, B.; IOFFI, Ya.; KOVAL', T.; KONAKOV, D.; KUVARIN, V.;
KUDROV, V.; LITVIYAKOV, P.; MUROMTSYEV, M.; OBOLENSKIY, K.; POKATAYEV,
Yu.; TOLNACHNIK, A.; KATS, V., red.; KRYLOV, P., red.; KANEVSKAYA,
T.M., red.; GERASIMOVA, Ye.S., tekhn.red.

[Economic competition between the U.S.S.R. and the U.S.A.; a criticism
of the views of American bourgeois economists.] Ekonomicheskoe sorevno-
vanie mezhdu SSSR i SShA; kritika vzgliadov amerikanskikh burzhuaznykh
ekonomistov. Moskva, Gosplanizdat, 1959. 240 p. (MIRA 12:3)

1. Moscow. Nauchno-issledovatel'skiy ekonomicheskii institut. 2. Sotrud-
niki Nauchno-issledovatel'skogo ekonomicheskogo instituta Gosplana SSSR
(for all except Kats, Krylov, Kanevskaya, Gerasimova)
(United States--Economic conditions) (Russia--Economic conditions)

KOVAL, T. A.

"Raising the Level of Soviet Grain Industry" K Novomu Pod'yemu Zernovogo
Khozyaystva Gosplanizdat 1947 w-22515

KOVAL', Timofei Artem'evich.

The struggle against drought; from the history of Russian agronomy. Moskva, Gos. izd-vo sel'skokhoziaistvennoi lit-ry, 1948. 157 p. (49-14298)

1. Droughts. 2. Agriculture - Russia.

KOVALE, T. A.

28472

Uchyeniye P. A. Kostychyeva O boshbye S. Zaslukhoy. Agrbiologiya, 1949, No. 4, S. 46-61.

SO: LITHOPIS No. 34

KOVAL', TIMOFEY ARTEM'YEVICH

Agriculture

Teachings of P. A. Kostychev on measures against drought Moskva, 1951

Monthly List of Russian Accessions, Library of Congress, August, 1952. UNCLASSIFIED.

KOVAL', T. [A.]

Socialist agriculture in the sixth five-year plan. Vop.eken.no.3:
55-69 Mr '56. (Agricultural policy) (MIRA 9:7)

OBOLLENSKIY, K.P., red.; KOV, L. T. A. red.; SULKOVSKAYA, M.A., red.; TIKHONOVA,
Ye.M., red.; SOKOLOVA, N.N., tekhn. red.

[Agriculture in the U.S.S.R.] Sel'skoe khoziaistvo SSSR. Moskva,
Gos. izd-vo sel'khoz. lit-ry, 1958. 583 p. (MIRA 11:12)
(Agriculture)

SOV/26-58-12-34/44
AUTHOR: Koval', E.A., Candidate of Agricultural Sciences (Moscow)
TITLE: To Help the Horticulturist (V pomoshch' sadovodu)
PERIODICAL: Priroda, 1958, Nr 12, pp 117 - 118 (USSR)
ABSTRACT: This is a review of the 323-page book "Sadovodstvo v Voronezhskoy Oblasti" (Gardening in the Voronezh Oblast) by M.M. Ul'yanishchev and other authors, published in 1957 by the Voronezhskoye knizhnoye izdatel'stvo (Voronezh Book Publication House).

Card 1/1

KOVAL', Timofey Artamonovich; TERESHCHENKO, N.I., red.; BACHURINA, A.M.,
tekhn.red.

[Competition between the U.S.S.R. and the U.S.A. in agriculture]
Sorevnovanie SSSR i SShA v oblasti sel'skogo khoziaistva. Moskva,
Gos.izd-vo sel'khoz.lit-ry, 1959. 160 p. (MIRA 13:1)
(Agriculture)

SKOVAL', T.

An important potential of agricultural production. Vop. ekon.
no. 2:14-25 P '61.

(MIRA 14:2)

(Agriculture)

KOVAL', Timofey ~~Artamonovich~~; PANIN, N.S., red.; GERASIMOVA, Ye.S.,
tekh. red.

[Grain farming in the U.S.S.R.] Zernovoe khoziaistvo SSSR.
Moskva, Ekonomizdat, 1962. 219 p. (MIRA 15:11)
(Grain)

KOVAL', T.A.; VIKTOROV, A.S., red.; PONOMAREVA, A.A., tekhn.
red.

[Economic problems of agricultural development in the
U.S.S.R.] Ekonomicheskie voprosy razvitiia sel'skogo kho-
ziaistva SSSR. Moskva, Ekonomizdat, 1963. 446 p.

(MIRA 16:12)

(Agriculture--Economic aspects)

KOVALENKO, Timofey Artamonovich; KOSTIN, V.P., red.

[Grain production in the U.S.S.R; an economic sketch]
Zernovoe khoziaistvo SSSR; ekonomicheskii ocherk. Izd.2.
perer. i dop. Moskva, Ekonomika, 1965. 214 p.
(MIRA 18:7)

KOVAL', T.F.

Regulated conditions for the delivery of hot metal. Metallurg
no.12:25-26 D. '56. (MIRA 10:1)

1. Zamestitel' nachal'nika laboratorii po organizatsii proizvodstva
i truda Stalinskogo metallurgicheskogo zavoda.
(Rolling (Metalwerk) (Stalinsk--Metallurgical plants)

KOVAL', T.P., inzhener; MURZOV, K.P., inzhener.

Ways to increase labor productivity in an open-hearth plant.
Stal' 16 no.3:244-247 Mr '56. (MIRA 9:7)

1.Stalinskiy metallurgicheskiy zavod imeni Stalina.
(Open-hearth process)

KOVAL', T.F.

130-8-16/20

AUTHOR: Koval', T.F., Deputy Chief of the Production and Labor
Organization Laboratory

TITLE: New Organisation of Work and Production in a Rolling Shop
(Novaya organizatsiya truda i proizvodstva v prokatno-
metiznom tsekh)

PERIODICAL: Metallurg, 1957, No.8, pp. 36 - 37 (USSR)

ABSTRACT: The author describes an improved system for labour organ-
isation and remuneration at a plant mass-producing galvanized
basins and buckets and portable beds (painted and partly nickel-
plated). Under the new system there is a collective norm for
each shift as a whole instead of for each individual. Work is
carried out to an hourly schedule, the quantities of the various
grades of each type of product made being compared with the
obligations undertaken by the shift. To show the advantages of
the new system the author gives some comparative productivity
data and states that its adoption contributed to the transfor-
mation of a loss of about 3 million Roubles in 1955 into a profit
of 155 000 Roubles in 1956.

ASSOCIATION: Stalino Metallurgical Works (Stalinskiy Metallurgicheskiy
Zavod).

AVAILABLE: Library of Congress
Card 1/1

KATSEN, Leontiy Grigor'yevich; APTEKAR', Saveliy Semenovich; KOVAL',
Trofim Fedotovitch; LEINEDINSKIY, Boris Ivanovich; SHALGANOVA,
V.N., red.; SAMOLETOVA, A.V., tekhn. red.

[A new wage system in metallurgical plants] Novaya sistema op-
laty truda na metallurgicheskikh zavodakh. Stalino, Stalinskoe
oblastnoe knizhnoe izd-vo, 1959. 108 p. (MIRA 14:10)
(Volgograd Province--Wages--Steel industry)

KOVAL, T. E.

KOVAL, T. E.

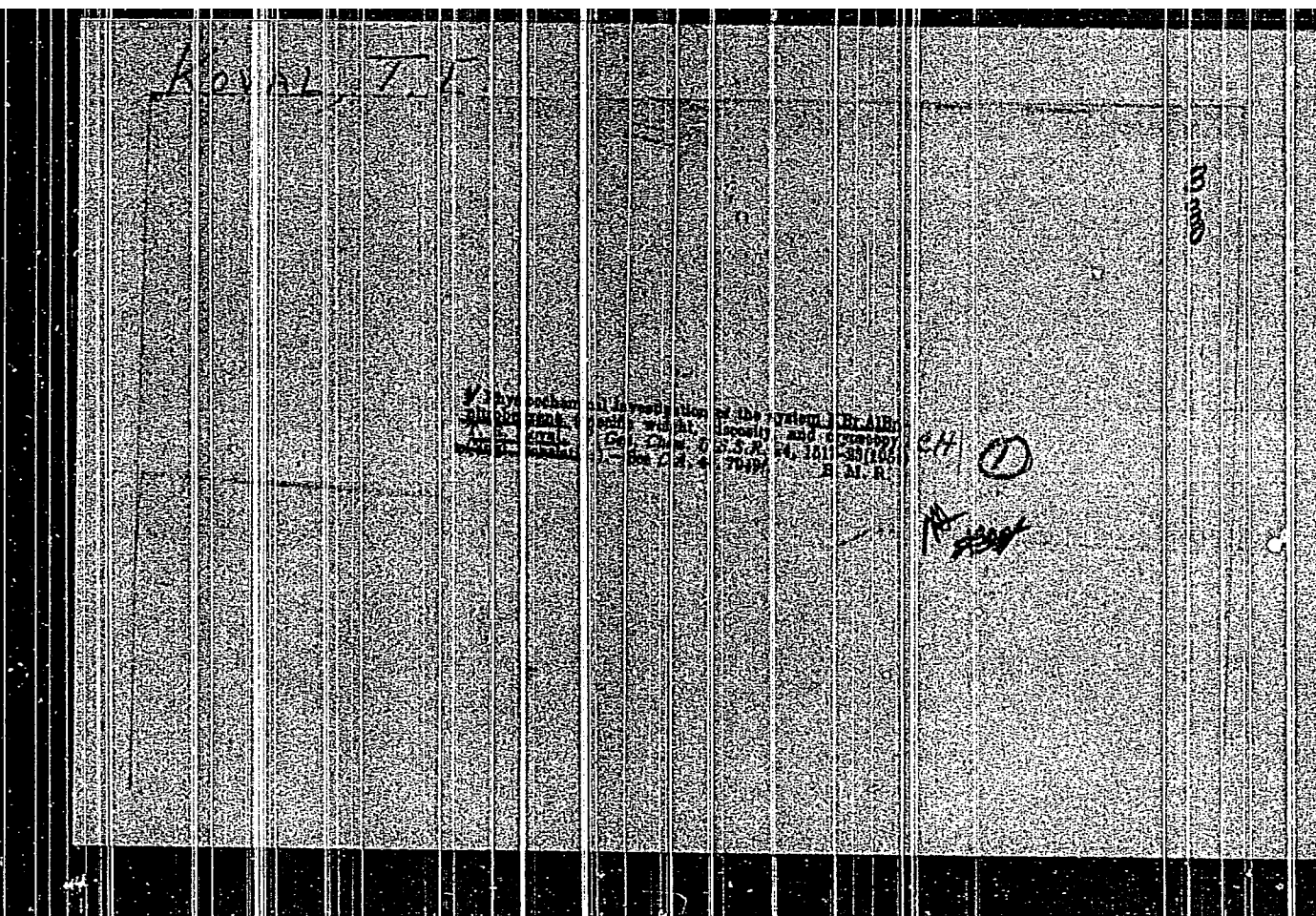
Spirometry as one of the methods of determination of the function of external respiration in children suffering from bronchial asthma. *Pediatrics, Moskva* No. 6, Nov.-Dec. 50. p. 28-32

1. Of the Therapeutic Clinic (Head—Doctor Medical Sciences I. M. Berkovich), Institute of Pediatrics of the Academy of Medical Sciences (Director—Prof. G. N. Speransky).

GINL 20, 3, March 1951

PROCESSIES AND PROPERTIES INDEX																																																																																																							
<p>14</p> <p>4</p> <p>•• Difference Effect of Amalgams. P. Z. Fisher and T. E. Royal (Bull. Sci. Univ. Kiev, 1937, 8, (3), 151-159; Brit. Chem. Abs., 1939, [A1], 17).—Positive and negative "difference effects" were obtained with sodium, potassium, and zinc amalgams in 0.1N. and 15% hydrochloric acid. It is concluded that the effect cannot be connected with the formation of a protective film, and that none of the theories advanced adequately explains the phenomenon.—S. G.</p>																																																																																																							
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SUBJECT INDEX													AUTHOR INDEX												
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<p>CA</p> <p>Effect of nonelectrolytes on hydrogen overvoltage. P. Z. Fliser and T. E. Kovalev. <i>Ukr. Khim. Zh.</i>, 1959, 5, 121-35 (in Russian, 135; in English, 135-6) (1959).—Study was made of H₂ overvoltage in 2 N H₂SO₄ with Zn, Hg and Pb cathodes in the presence of mannitol, urea, sugar, acetone and glycerol at a c. d. 1.3-4.0 ma./sq. cm. All tests were made at room temp. The overvoltage is related linearly to the log of c. d. The Zn electrode showed a large increase in overvoltage upon the addn. of the first portions of urea, etc., but no significant effect with further addns. With Hg the addn. of nonelectrolytes caused no considerable change; with Pb there was a decrease upon addns. of nonelectrolyte. Conclusion: Complex ions [(H₂O)(nonelectrolyte)]⁺ are formed. H. Z. Kamich.</p>																									
<p>650-51A METALLURGICAL LITERATURE CLASSIFICATION</p>																									



Koval', T.E.

USSR/Chemistry - Physical chemistry

Card 1/1 : Pub. 151 - 0/42

Authors : Koval', T. E.

Title : Physico-chemical investigation of the $\text{KBr} \cdot \text{AlBr}_3$ -nitrobenzene system (specific weight, viscosity and cryoscopy).

Periodical : Zhur. ob. khim. 24/9, 1532-1540, Sep 1954

Abstract : The composition of the complex compounds and ions forming in the $\text{KBr} \cdot \text{AlBr}_3$ -nitrobenzene system, is explained on the basis of determined specific weight, viscosity, cryoscopy and on the basis of data regarding the electrical conductivity, transference number of electrolysis. The two complex compounds, formed by KBr and AlBr_3 , are described. It was established that the AlBr_3 in the nitrobenzene, exists in the form of dimeric $(\text{AlBr}_3)_2$ molecules partially dissociated into ions. The transference numbers total, computed for two ions, was found to be less than one. Fifteen USSR references (1883-1950). Tables; graphs.

Institution : Agricultural Institute, Zhitomir

Submitted : February 19, 1954

KOVAL', V.

In close cooperation. Voen. znan. 40 no.10:3-4 0 '64.

(MIRA 17:12)

1. Zaveduyushchiy otделom sportivnoy i oborono-massovoy raboty
TSentral'nogo komiteta Vsesoyuznogo Leninskogo kommunisticheskogo
soyuza molodezhi.

KOVAL', V., inzh.

Using precast reinforced concrete in constructing viaducts.
From. stroi. i inzh. soor. 2 no. 1:44-47 Ja '60. (MIRA 14:1)
(Precast concrete construction) (Viaducts)

KOVAL, V

KOZLOV, F.; SHISHMANYAN, Sh.; GAGARNIKOVA, T.; KOVAL', V.

Ultra-shortwave operators on the air. Radio no.11:17 N '56.
(MLBA 9:12)

1. Predsedatel' korotkovolnovoy i ul'trakorotkovolnovoy sektiyy
radiocluba, Yerevan, Armeniya (for Shishmanyen).
(Radio, Shortwave)

DASHEVSKIY, T.B.; AL'TMAN, I.A.; KOVAL', V.A.

Effect of defects ~~in~~ lower arms of balances on the precision of
weighing. Izv. tekhn. no.10:28-30 0 '63. (MIRA 16:12)

MIL', Solomon Isaakovich; inzh.; MURAVCHIK, Nami Moiseyevich; KOVAL', Vasil'y Aleksandrovich; KASPERAVICHUS, V. [Kasperavicus, V.], spets. red.; MALITSKAS, A. [Malickas, A.], red.; SHUKARYAVICHUS, A. [Stukarevicius, A.], tekhn. red.

[Price list; a collection of uniform estimates for major repairing of residential, administrative, and cultural buildings, of communal enterprises and public edifices, based on the new scale of prices] [Sennik; sbornik edinichnykh rastsenok na kapital'nyi remont zhilykh, administrativnykh, kul'turno-bytovykh zdani, kommunal'nykh predpriyati i sooruzhenii gorodskogo blagoustroistva (v novom mashtabe tsen). Vil'nius, TSentr. biuro tekhn. informatsii i propagandy, 1961. 533 p. (MIRA 15:3)]

1. Lithuanian S.S.R. Valstybinis statybos ir architekturos reikalu komitetas.

(Buildings--Repair and reconstruction)

KOVAL', Viktor

Yes, the instructor is an organizer and creator. Sov.
profsoiuzy 18 no.21:19-20 N '62. (MIRA 15:11)

1. Nestatnyy instructor Kiyevskogo oblastnogo soveta
professional'nykh soyuzov.
(Trade unions—Officers)

14(6)

PHASE I BOOK EXPLOITATION

SOV/1695

Koval', Viktor Afanas'yevich, and Georgiy Fedorovich Munzi

Porshnevyye pryamodeystvuyushchiye parovyye nasosy (Direct-acting Steam-driven Piston Pumps) Kiyev, Mashgiz, 1958. 123 p. 8,500 copies printed.

Reviewer: V.F. Mozer, Doctor of Technical Sciences, Professor; Ed.: M.S. Soroka; Chief Ed. (Ukrainian Division, Mashgiz): V.K. Serdyuk, Engineer; Tech. Ed.: Ya.V. Rudenskiy.

PURPOSE: This book is intended for engineering and technical personnel.

COVERAGE: The book discusses design principles, construction, operating principles, rules for testing and operation, and methods of repairing direct-acting steam-driven piston pumps. Pump-installation piping, safety techniques in servicing pumps, pump troubles, their sources and remedies are also discussed. No personalities are mentioned. There are 10 references, all Soviet.

TABLE OF CONTENTS:

Foreword

3

Card 1/4

Direct-acting Steam-driven Piston Pumps

80v/1695

Ch. 1. Basic Concepts Concerning Pumps	
1. General information	4
2. Comparative characteristics of the basic types of pumps	4
	5
Ch. 2. Construction and Operating Principle of Direct-acting Pumps	8
1. Classification of direct-acting pumps	8
2. Construction and operating principle of the Worthington-type duplex direct-acting pumps	9
3. Construction and operating principle of simplex-type direct-acting pumps	17
4. Technical data on direct-acting pumps manufactured by the industry	28
Ch. 3. Theory of the Hydraulic and Steam Portions of Direct-acting Pumps	28
1. Discharge of piston pumps	28
2. Head of a piston pump	30
3. Air chambers	35
4. Work consumed in pump operation	38
5. Function of pump valves	39
6. Work developed by steam in the steam cylinder of direct-acting pumps	42
7. Determining the power of the steam engine of direct-acting pumps	45

Card 2/4

Direct-acting Steam-driven Piston Pumps

SOV/1695

8. Steam distribution in direct-acting pumps	46
9. Efficiency of direct-acting pumps	55
10. Principles for designing direct-acting pumps	56
Ch. 4. Constructional Features of Direct-acting Pump Parts and Their Design Principles	59
1. Parts of the steam portion of direct-acting pumps	59
2. Parts of the hydraulic portion of direct-acting pumps	71
3. Fittings for the steam and hydraulic portions of direct-acting pumps	77
Ch. 5. Designing Piping for Pump Installations	83
1. Basic data for design of piping	83
2. Hydraulic design of piping	83
3. Design of thermal insulation	91
4. Mechanical design of piping	92
Ch. 6. Instructions for Operating Direct-acting Pumps	96
1. Preparing a pump for starting, starting, servicing during operation, and stopping	96

Card 3/4

Direct-acting Steam-driven Piston Pumps

SOV/1695

2. Pump troubles, their causes, and remedies	98
3. Basic aspects of safety techniques during pump servicing	100
4. Checking and adjusting steam distribution in direct-acting pumps	106
5. Pump testing and analysis of performance using indicator diagrams	102
Ch. 7. Repair of Direct-acting Steam-driven Piston Pumps	105
1. Types of repair schedules and volume of work in various categories of repair	105
2. Methods of repairing direct-acting pumps	109
3. Allowances, fits, and basic requirements of surface finish in repairing direct-acting pumps	110
Bibliography	122

AVAILABLE: Library of Congress

GO/hcr
6-17-59

Card 4/4

KOVAL VIKTOR A.

BEZUGIYY, Andrey Mefod'evich [BEZUHINYI, A.M.] dots. ;

IVANNIKOV, Aleksey Vasil'yevich [IVANNIKOV, Aleksey Vasil'yevich],

kand. geol. nauk.; KOVAL', Viktor Aleksandrovich [KOVAL', Viktor

Aleksandrovich], kand. geol. nauk.; SKVIRSKAYA, N.P. [SKVIRS'KA, N.P.],
red.; KHARIK, B.V., tekhnred.

[General geology] Zahal'na geologiya. [Kyiv] Vyd-vo Kyivs'koho
derzh. univ. im. T.H. Shevchenka, 1958. 228 p.

(MIRA 11:10)

(Geology)